**Remarks:**

Favorable consideration of this application, in light of the present amendment and following discussion, is respectfully requested.

Claims 1-123 are pending; Claims 8, 15, 16, 18, 22, 32, 39, 40, 42, 45, 47, 49, 51, 53, 55, 57, 59, 61, 67, 72, 73, 74, 75, 80, 89, 95, 96, 97, 98, 101, 102, 104, 106, 107, 109, 110, 112, 114, 115, 117, 118, 120, 122, and 123 are amended; no claims are canceled or added herewith. A substitute specification is also enclosed herewith. In the substitute specification and the amended claims, the word "certification" has been changed to "authentication." A marked up version is also enclosed. It is respectfully submitted that no new matter is added by this amendment.

Consequently, in view of the foregoing discussion and present amendment, it is respectfully submitted that this application is in condition for examination. An early and favorable action is therefore respectfully requested.

Respectfully submitted,

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ANNOTATED SHEET SHOWING CHANGES

## FIG.44

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getProviderListResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="http://www.ricoh.co.jp/xmlns/soap/rdh/uadministration-v3">
      <returnValue xsi:type="soapenc:Array" soapenc:arrayType="xsd:string[9]"
xmlns:ns2="http://www.ricoh.co.jp/xmlns/schema/rdh/commontypes
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding?">
        <item>admin</item>
        <item>original</item>
        <item>union_original</item>
      </returnValue>
    </ns1:getProviderListResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

# FIG.46

```
<?xml version="1.0" encoding="UTF-8"?>
-<SOAP-ENV:Envelope xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/" SOAP-
ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/1999/XMLSchema-instance" xmlns:xsd="http://www.w3.org/1999/XMLSchema">
-<SOAP-ENV:Body>
-<th:createProvider xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:va="http://www.ricoh.co.jp/xmlns/schema/rdh/uadministration"
xmlns:tnms="http://www.ricoh.co.jp/xmlns/soap/rdh/uadministration" xmlns:ct="http://www.ricoh.co.jp/xmlns/schema/rdh/commontypes">
<sessionId>Y33ggygyreg</sessionId>
<unionMergeprovideName>administrative_test</unionMergeproviderName>
-<propList SOAP-ENC:arrayType=" ct:property[1]" xsi:type=" SOAP-ENC:Array">
-<item>
<subproviderName>WinNT_test</subproviderName>
<providerType>localdb</providerType>
</item>
</propList>
-<options SOAP-ENC:arrayType=" ct:property[1]" xsi:type="SOAP-ENC:Array">
-<item>
<propName>providerType</propName>
<propVal>localdb</propVal>
</item>
</options>
</th:createProvider>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

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# FIG.47

```
<?xml version="1.0" encoding="UTF-8"?>
-<soapenv:Envelope
(xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/1999/XMLSchema"
xmlns:xsi="http://www.w3.org/1999/XMLSchema-instance")>
-<soapenv:Body>
-<ns1:createProviderResponse
(soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="http://www.ricoh.co.jp/xmlns/soap/rdh/uadministration-v3")>
 <returnValue xsi:type="ns2:string"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:ns2="http://www.w3.org/2001/XMLSchema">OK</returnValue>
    </ns1:createProviderResponse>
   </soapenv:Body>
   </soapenv:Envelope>
```

# FIG.100

```xml
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope(xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance")>
<soapenv:Body>
<ns1:getProviderList(soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="http://www.ricoh.co.jp/xmlns/soap/rdh/tradministration_v3")>
<sessionId xsi:type="xsd:string">Y33ggygyreg</sessionId>
<options xsi:type="ns2:arrayOfProperty" xsi:nil="true"
xmlns:ns2="http://www.ricoh.co.jp/xmlns/schema/rdh/commontypes"/>
</ns1:getProviderList>
</soapenv:Body>
</soapenv:Envelope>
```

# FIG.101

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
<soapenv:Body>
<ns1:getProviderListResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="http://www.ricoh.co.jp/xmlns/soap/rdh/uadministration_v3">
<returnValue xsi:type="soapenc:Array" soapenc:arrayType="xsd:string[9]"
xmlns:ns2="http://www.ricoh.co.jp/xmlns/schema/rdh/commontypes"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding?">
<item>admin</item>
<item>original</item>
<item>join_original</item>
</returnValue>
</ns1:getProviderListResponse>
</soapenv:Body>
</soapenv:Envelope>
```

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## FIG.116

```
<?xml version="1.0" encoding="UTF-8"?>
-<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
-<soapenv:Body>
-<getEntryProperty soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="http://www.ricoh.co.jp/xmlns/soap/rdh/udirectory/v3">
-<sessionId xsi:type="xsd:string">Y33ggygyreg</sessionId>
-<entry href="#id0" /> </getEntryProperty><multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="http://www.ricoh.co.jp/xmlns/schema/rdh/udirectory" xsi:type="ns2:entry">
-<id xsi:type="xsd:string">U:DH:107ebe1:f81bf60da7:-8000858bda3c</id>
-<entryType xsi:type="xsd:string" xsi:nil="true" />
-<userSpace xsi:type="xsd:string" xsi:nil="true" />
-<domainName xsi:type="xsd:string" xsi:nil="true" />
-<name xsi:type="xsd:string" xsi:nil="true" />
-<shortName xsi:type="xsd:string" xsi:nil="true" />
-<longName xsi:type="xsd:string" xsi:nil="true" />
-<phoneticName xsi:type="xsd:string" xsi:nil="true" />
-<index xsi:type="xsd:string" xsi:nil="true" />
-<isProtected xsi:type="xsd:boolean">false</isProtected>
-<propPrefixes xsi:type="xsd:string" xsi:nil="true" />
-</multiRef>
-</soapenv:Body>
-</soapenv:Envelope>
```

# FIG.117

```
<?xml version="1.0" encoding="UTF-8"?>
-<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XML-Schema"
xmlns:xsi="http://www.w3.org/2001/XML-Schema-instance">
-<soapenv:Body>
-<ns1:getEntryPropertyResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" xmlns:ns1="http://www.ricoh.co.jp/xmlns/soap/rdh/udirectory">
<returnValue xsi:type="xsd:string">
OK</returnValue>
-<properties xsi:type="soapenc:Array" soapenc:arrayType="ns2:property[18]" xmlns:ns2="http://www.ricoh.co.jp/xmlns/schema/rdh/commonTypes"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
-<item>
<propName xsi:type="xsd:string">objectId</propName>
<propVal xsi:type="xsd:string">entry%U:DH:107ebe1:f81bf60da7:-8000858bda3c</propVal>
-<item>
(中略)
-<item>
<propName xsi:type="xsd:string">mail:address</propName>
<propVal xsi:type="xsd:string">UAUD_Admin@ricoh.com</propVal>
<item>
-<item>
(中略)
-<properties>
-<folders xsi:type="soapenc:Array" soapenc:arrayType="ns3:folder[1]" xmlns:ns3="http://www.ricoh.co.jp/xmlns/schema/rdh/udirectory"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
-<item>
<id xsi:type="xsd:string" />
<folderType xsi:type="xsd:string">root</folderType>
<name xsi:type="xsd:string" />
<phoneticName xsi:type="xsd:string" />
<pathName xsi:type="xsd:string" />
</item>
</folders>
</ns1:getEntryPropertyResponse>
</soapenv:Body>
</soapenv:Envelope>
```